

# **Conformance Test Report for EN301 406** v<sub>1.5.1</sub> (2003-07)

# Digital Enhanced Cordless Telecommunic. (DECT); Harmonized EN for Digital Enhanced Cordless Telecommunications(DECT) covering essential requirements under article 3.2 of R&TTE Directive; Generic radio

Report No.: 60.860.8.008.01

Client: SunCorp Communications Limited

Product: DECT Phone

System Under Test (SUT): DECT20-B14-RF19 (PP)

Manufacturer Shenzhen Guo Wei Electronics Co., Ltd.

Date test item received: 2008/01/14
Date test campaign completed 2008/03/12
Date of issue: 2008/03/13
Test results: COMPLIED
The test report include test result of conformance log layer 1.

Total number of pages of this test report: 27 pages

The test result only corresponds to the tested sample. It is not permitted to copy this report, in part or in full, without the permission of the test laboratory.

Approved by

Jeff Pong

Deputy Telecom Manager

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### 1.1 Reason for measurements and identification of the protocol

The Test Candidate shall be tested to

DECT, General terminal attachment requirements

EN 300 406 V1.5.1	2003-07
EN 300 175-2, PHL	July 2003

### 1.1.1 Global statement of conformance

Has the applicant filled out the	
Client Test Preparation Information in accordance to EN301 406	Yes

see annex ,EN301 406 Statement of the applicant

### 1.2 Identification and functional description of the test candidate

### 1.2.1 Client identification

Name	SunCorp Communications Limited				
Contact person Mr. C.W. Cheung					
Address	Room 1907-08, Harcourt House, 39 Gloucester Road, Wanchai, Hong Kong				
Phone No.	86 755 25733333/ 25736666				
Fax No.	86 755 5732288				



### 1.2.2 Identification of the Test Candidate:

RFPI of the FP with int. antenna	
RFPI of the FP with temp. ant. con.	0543210000
Hardware version	
Software version	
Operating voltage nom/min/max	2.4VDC/2.2VDC/2.8VDC
Serial No of the FP with int. antenna.	
Serial No of the FP with temp. ant. con.	

### 1.2.3 Functional description

The Test Candidate is a Portable Part with integrated antennas of a cordless telephone system for 3.1 kHz voice-communications on **DECT-standard.** For the integrated antennas a diversity-switch is included to the equipment. This Portable Part is used in combination with a Fixed Part (FP) for connections to the analogue public switched telephone network

For the tests one sample with integrated antenna and one sample with 50  $\Omega$ -connector were available to the test lab.



### 1.3 Climatic Conditions

Temperature °C Rel. Humidity % Atmospheric Pressure

nominal value

aimed +15°C - +35°C aimed 20% - 75% aimed 86 - 106 kPa

The requirements for temperature, rel. humidity and atmospheric pressure were observed and be within the specified range.

### 1.4 Measurement accuracy

The measurement accuracy is in accordance with EN301 406 V1.5.1 (2003-07)

Note: All values reflect a confidence level of 95 %.

The actual measurement uncertainties are described at each test.

### 1.5 Test equipment used

Equipment	Inventory-No.:
R&S DECT Type approval system TS 8930 FTAS:	<del></del>
Process Controller	H1882000176
R&S Signalling unit TS1220	-
RF-Generator	H1882000179
RF-Generator	H1882000187
Spectrum- Analyzer	H1882000186
Switch Matrix	H1882000185
RF-Generator	H1882000162
Software	DOS-Version 3.02F from 19.02.99
Anechoic Chamber V	
Spectrum- Analyzer	H1882000161
RF-Pre-Amplifier	H1882000169
RF-Pre-Amplifier	H1882000170
RF-Filter	H1882000189
RF-Filter	H1882000190
RF-Antenna	H1882000145
RF-Antenna	H1882000146
RF-Antenna	H1882001604
RF-Antenna	H1882001605
Control-PC	H1882000140
Software T_Case_12	V 3.1 from 19.07.99

### 1.6 Explanation of the results abbreviations

P = pass, inside of the specification

 $P^* = pass$ , inside of the specification in consideration of the test accuracy

F = failed, exceeding the specification

O = not implicated

- = not tested

? = no clear result considering to the specification

\* = see note



### 1.7 Comments for testing

Delivery date of Test Candidate: 2008.01.14

The tests were done from 2008.01.14 at 2008.03.12

**Test Location** 

Report No.: 60.860.8.008.01

T01

During the tests were present:

Mr. Jeff Pong from TÜV SÜD Hong Kong Ltd.

Mr. C.W. Cheung from SunCorp Communications Limited

The test set-up and tests are according to EN301 406 V1.5.1(2003-07) and **DTAAB DT.04 V10 from 11/99** and the internal test comments of the test lab.

All measurements, in exception of parts of Testcase 6 and Testcase 12, were done at the equipment with 50  $\Omega$ -temporary antenna connector.

All radiated measurements were done in the anechoic chamber. The test site and the whole test equipment is according to standards CTR6, TBR 6, third edition, June 1999. EN301 406 V1.5.1(2003-07)



### 2 IUT conformance status according to EN301 406 V1.5.1 (2003-07)

### 2.1 IUT conformance summary

The IUT <u>has not been</u> shown by conformance assessment to be non conforming to the general terminal attachment requirements, EN301 406

### 2.2 EN301 406 results overview

Test case	Point	Testcase description	Remarks	Sel.	Run	Verdict
1	4.5.1	Accuracy and stability of RF carriers		Y	Y	Pass
2	4.5.2	Timing jitter: slot - slot on the same channel		Y	Y	Pass
3		Reference timing accuracy of a RFP		N	N	
4		Measurement of packet timing accuracy	only for portable part	Y	Y	Pass
5	4.5.3	Transmission burst		Y	Y	Pass
6	4.5.4.1.1	Transmitted power (with an internal antenna) NTP		Y	Y	Pass
7	4.5.4.1.2	Transmitted power (with an external antenna connector)		Y	Y	Pass
8	4.5.5	RF carrier modulation		Y	Y	Pass
9	4.5.6.2	Emissions due to modulation		Y	Y	Pass
10	4.5.6.3	Emissions due to transmitter transients		Y	Y	Pass
11	4.5.6.4	Emissions due to intermodulation	only for basestation with more than one transmitter	N	N	
12	4.5.6.5	Spurious emissions when allocated a transmit channel	Conducted spurious Radiated spurious	Y	Y	Pass Pass
13	4.5.7.1	Radio receiver sensitivity		Y	Y	Pass
14	4.5.7.2	Radio receiver reference bit error ratio		Y	Y	Pass
15	4.5.7.3	Radio receiver interference performance		Y	Y	Pass
16	4.5.7.4	Radio receiver blocking case 1		Y	Y	Pass
17	4.5.7.5	Radio receiver blocking case 2		Y	Y	Pass
18	4.5.7.6	Receiver intermodulation performance		Y	Y	Pass
19	4.5.7.7	Spurious emissions when the radio endpoint has no allocated transmit channel	only for portable part	Y	Y	Pass



### EN301 406 results overview

Test case	Point	Testcase description	Remarks	Sel.	Verdict
20	4.5.8	Synchronisation port		N	No test
21	4.5.9	Equipment identity verification /safeguards		N	Manufacturer declaration
22	4.5.10	Efficient use of radio spectrum		N	Manufacturer declaration
23	4.5.11	WRS		N	No test
24	4.5.12	PP to PP communication		N	No test
25	4.5.13	Direct communication		N	No test
26	4.5.14	Higher level modulation		N	No test



### 2.3 Test campaign report

### 2.3.1 TC 1 Accuracy and stability of RF carriers (4.5.1)

aimed for  $t \ge 1$  s with  $\Delta$  f  $\le \pm 50$  kHz under nominal and extreme conditions

	Deviation [kHz] channel 0   channel 5   channel		
nom. Temperature and nom. Voltage	3.15	2.86	3.42
0°C and minimum voltage	-2.60	-0.23	-3.24
0°C and maximum voltage	0.34	0.24	-1.84
+40°C and minimum voltage	-0.59	1.50	-0.91
+40°C and maximum voltage	voltage -1.18 2.23 -1		-1.01

Measurement uncertainty: < 1%

aimed for  $t \le 1$  s with  $\Delta$  f  $\le \pm 100$  kHz under nominal and extreme conditions

	Deviation [kHz]		
	Channel 0 Channel 5 Channel		
nom. Temperature and nom. Voltage	3.33	2.98	3.32
0°C and minimum voltage	0.76	-0.29	-0.43
0°C and maximum voltage	0.56	0.07	-2.52
+40°C and minimum voltage	-0.82	-1.16	2.30
+40°C and maximum voltage	-1.04	-1.04	-1.03

Comment:minimum voltage =2.2 V

### 2.3.2 TC 2 Timing jitter: slot- slot on the same channel (8.3)

Test in channel 5	Deviati	Deviation [μs]			
aimed $< \pm 1 \mu s$	positive	Negative			
nom. Temperature and nom. Voltage	0.145	-0.146			
0°C and minimum voltage	0.192	-0.157			
0°C and maximum voltage	0.169	-0.144			
+40°C and minimum voltage	0.121	-0.119			
+40°C and maximum voltage	0.123	-0.109			

Measurement uncertainty: <= 77.4 ns Comment:minimum voltage =2.2V

# 2.3.3 TC 3 Reference timing accuracy of a RFP only recommended for fixed part

### 2.3.4 TC 4 Measurement of packet transmission accuracy

The packet time delay minimum shall be greater than 5ms  $-2\mu s$  The packet time delay maximum shall be less than 5ms+2 $\mu s$ 

			P	acket Time	Delay(µs)	)	
Voltage(V)	Temperature( $^{\circ}\mathbb{C}$ )	chan	nel 0	chan	nel 5	chan	nel 9
		max.	min.	max.	min.	max.	min.
nom.	nom.	0.102	-0.115	0.156	-0.137	0.142	-0.177
min.	min.	0.175	-0.196	0.175	-0.147	0.146	-0.126
	max.	0.118	-0.091	0.143	-0.100	0.153	-0.148
max.	min.	0.213	-0.240	0.132	-0.152	0.196	-0.128
	max.	0.107	-0.080	0.105	-0.090	0.119	-0.142

Measurement uncertainty: <= 77.4 ns

Comment:minimum voltage =2.2V

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P P

P P

P

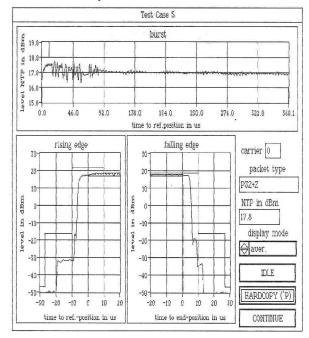
P P P

> P P P

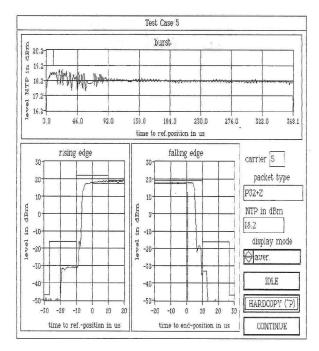
9

### 2.3.5 TC 5 Transmission Burst (4.5.3)

Measurement uncertainty: + 0.85 dB / -0.92 dB



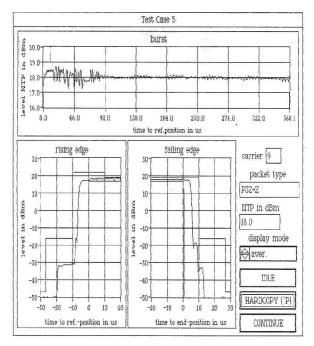
Nom. Temperature and nom. Voltage



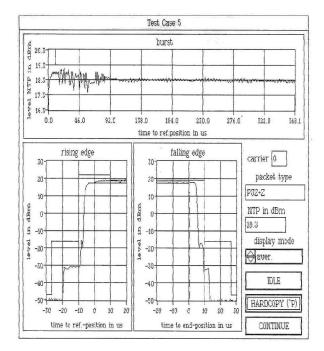
Nom. Temperature and nom. Voltage

P

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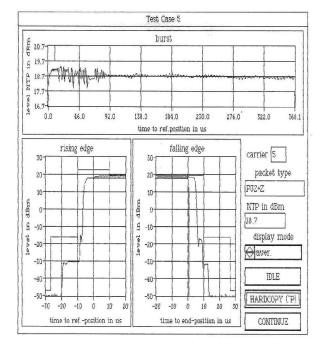
Nom. Temperature and nom. Voltage



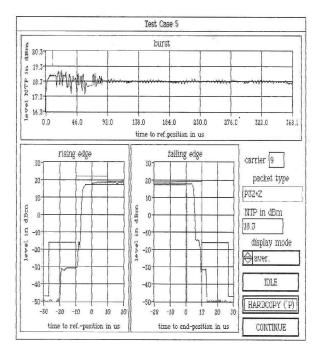
 $+0^{\circ}C$  temperature and nom. Voltage

P



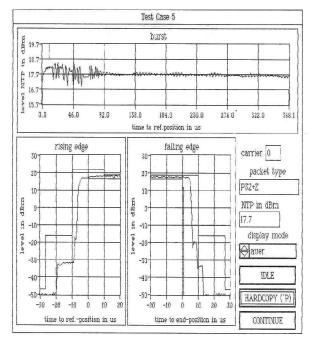


+0°C temperature and nom. Voltage

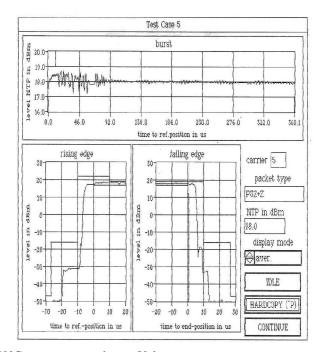


 $+0^{\circ}C$  temperature and nom. Voltage

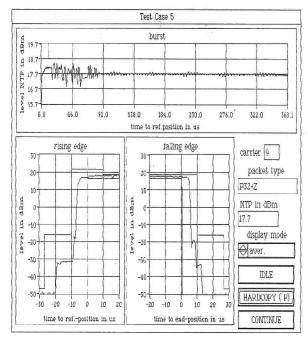
P



+40°C temperature and nom. Voltage



+40°C temperature and nom. Voltage



+40°C temperature and nom. Voltage

### 2.3.6 TC 6 Transmitted power: PP and RFP with integral antenna (4.5.4.1.1)

Conducted RF-output power in the Burst:  $aimed \le 250 \text{ mW} (24 \text{ dBm})$ Height of receive antenna actual = 1.50 mRadiated field strength maximum at position in degrees  $ant. 0 \text{ actual} = 10^{\circ} \text{ hor}$ 

Antenna gain: aimed with max. 12 dB

Antenna	conducted Power	radiated Power	Antenna gain
Channel 0	17.80 dBm	18.01 dBm	0.21 dB
Channel 5	18.20 dBm	18.01 dBm	-0.19 dB
Channel 9	18.00 dBm	18.23 dBm	0.23 dB

Measurement uncertainty radiated: + 3.53 dB / -3.53 dB Measurement uncertainty conducted: + 0.85 dB / -0.92 dB

### 2.3.7 TC 7 Transmitted power: FP with an external antenna Connector (4.5.4.1.2)

not applicable

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### 2.3.8 TC 8 RF-carrier modulation (4.5.5)

part 1:  $aimed > \pm 259 \text{ kHz} < \pm 403 \text{ kHz}$ part 2-3:  $aimed > \pm 202 \text{ kHz} < \pm 403 \text{ kHz}$ 

part 4: aimed  $< \pm 15 \text{ kHz/slot}$ 

Measurement uncertainty part 1-3:  $\pm$  10 kHz part 4:  $\pm$  2 kHz

TRAFFIC SLOT: 20 TRAFFIC CARRIER: 5 PACKET TYPE: P32+Z

part1: 10 bursts evaluated

maximum positive modulation: 376.43 kHz maximum negative modulation: -369.04 kHz

part2: 10 bursts evaluated

maximum positive modulation: 400.47 kHz maximum negative modulation: -402.58 kHz

part3: 10 bursts evaluated

maximum positive modulation: 316.35 kHz maximum negative modulation: -324.46 kHz

part4: 200 bursts evaluated

averaged frequency drift: 6.93 kHz/slot

### 2.3.9 TC 9 Emissions due to modulation (4.5.6.2)

Measurement uncertainty: + 0.49 dB / -0.51 dB One exception <-33 dBm (500 nW) permissible

TRAFFIC SLOT: 22
TRAFFIC CARRIER: 0
PACKET TYPE: P32+Z
measured NTP: 17.80 dBm

				measured v	ralues	limit	.s
CARRIER	0:	integrated	power	17.80	dBm		-
CARRIER	1:	integrated	power	- 23.64	dBm	-8	dBm
CARRIER	2:	integrated	power	- 47.43	dBm	-30	dBm
CARRIER	3:	integrated	power	- 50.37	dBm	-41	dBm
CARRIER	4:	integrated	power	- 51.19	dBm	-44	dBm
CARRIER	5:	integrated	power	- 51.57	dBm	-44	dBm
CARRIER	6:	integrated	power	- 51.87	dBm	-44	dBm
CARRIER	7:	integrated	power	- 51.89	dBm	-44	dBm
CARRIER	8:	integrated	power	- 51.43	dBm	-44	dBm
CARRIER	9:	integrated	power	- 52.06	dBm	-44	dBm

TRAFFIC SLOT: 14
TRAFFIC CARRIER: 5
PACKET TYPE: P32+Z
measured NTP: 18.20 dBm

measured N	IP.	16.20 ubiii						
				meas	ured	values	limi	ts
CARRIER	0:	integrated p	power	-	51.6 9	dBm	-44	dBm
CARRIER	1:	integrated ]	power	-	51.2	dBm	-44	dBm
CARRIER :	2:	integrated p	power	-	50.4	dBm	-41	dBm
CARRIER	3:	integrated p	power	-	47.4 4	dBm	-30	dBm
CARRIER	4:	integrated p	power	-	23.6	dBm	-8	dBm



P

P

P

P

PPPPPP

Ρ

Ρ

Ρ

Ρ

CARRIER 5:	integrated power	18.2 dBm		P
CARRIER 6:	integrated power	- 23.2 dBm	-8 dBm	P
CARRIER 7:	integrated power	- 47.3 dBm	-30 dBm	P
CARRIER 8:	integrated power	- 50.1 dBm	-41 dBm	P
CARRIER 9:	integrated power	- 51.0 dBm	-44 dBm	P



TRAFFIC SLOT: TRAFFIC CARRI PACKET TYPE: measured NTP:	16 IER: 9 P32+Z 18.00 dBm							
			meas	ured '	values	limit	s	
CARRIER 0:	integrated p	power	-	52.2 9	dBm	-44	dBm	P
CARRIER 1:	integrated p	power	-	52.0 7	dBm	-44	dBm	P
CARRIER 2:	integrated p	power	-	52.2	dBm	-44	dBm	P
CARRIER 3:	integrated p	power	-	52.0	dBm	-44	dBm	P
CARRIER 4:	integrated p	power	-	51.8	dBm	-44	dBm	P
CARRIER 5:	integrated p	power	-	48.1	dBm	-44	dBm	P
CARRIER 6:	integrated p	power	-	50.6	dBm	-41	dBm	P
CARRIER 7:	integrated p	power	-	47.9	dBm	-30	dBm	P
CARRIER 8:	integrated p	power	-	24.0	dBm	-8	dBm	P
CARRIER 9:	integrated ]	power		18.0	dBm		-	P

### 2.3.10 TC 10 Emissions due to transmitter transients (4.5.6.3)

TRAFFIC SLOT:

Report No.: 60.860.8.008.01

Measurement uncertainty: + 0.49 dB / -0.51 dB

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TRAFFIC CARRIER: 0 PACKET TYPE: P32+Zmeasured values limits CARRIER 0: 59.09 mW ( 17.72 dBm) max. Power \_\_\_ р CARRIER 1: 37.62 uW (-14.25 dBm)-6 dBm max. Power р (-45.50 dBm)CARRIER 2: max. Power 28.15 nW -14 dBm р -24 dBm CARRIER 3: max. Power 12.13 nW (-49.16 dBm)р CARRIER 4: max. Power 35.78 nW (-44.46 dBm)-30 dBmр CARRIER 5: max. Power 9.16 nW (-50.38 dBm)-30 dBm р 8.95 nW (-50.48 dBm)-30 dBm CARRIER 6: max. Power р CARRIER 7: 7.42 nW (-51.29 dBm)-30 dBm max. Power р CARRIER 8: max. Power 39.29 nW (-44.06 dBm)-30 dBm р CARRIER 9: max. Power 9.43 nW (-50.25 dBm)-30 dBm р



TRAFFIC SLOT.		20				
TRAFFIC CARRIE	R:	1				
PACKET TYPE:		P32+Z				
			measured v	alues	limits	
CARRIER 0:	max.	Power	29.95 uW	(-15.24  dBm)	-6 dBm	p
CARRIER 1:	max.	Power	58.40 mW	( 17.66 dBm)		p
CARRIER 2:		Power	34.87 uW	( -14.58 dBm)	-6 dBm	p
CARRIER 3:		Power	26.40 nW	(-45.78 dBm)	-14 dBm	p
CARRIER 4:		Power	13.40 nW	(-48.73 dBm)	-24 dBm	
CARRIER 5:		Power	33.16 nW	(-44.79 dBm)	-30 dBm	p
						p
CARRIER 6:		Power	8.25 nW	( -50.84 dBm)	-30 dBm	P
CARRIER 7:		Power	9.66 nW			P
CARRIER 8:		Power	8.69 nW			p
CARRIER 9:	max.	Power	46.55 nW	( -43.32 dBm)	-30 dBm	P
TRAFFIC SLOT:		22				
TRAFFIC CARRIE	R:	2				
PACKET TYPE:		P32+Z				
			measured v	alues	limits	
CARRIER 0:	max.	Power	22.94 nW	(-46.39  dBm)	-14 dBm	р
CARRIER 1:	max.	Power	28.42 uW	(-15.46  dBm)	-6 dBm	р
CARRIER 2:	max.	Power	59.78 mW	( 17.77 dBm)		q
CARRIER 3:	max.	Power	34.87 uW		-6 dBm	q
CARRIER 4:	max.	Power	22.54 nW	(-46.47  dBm)	-14 dBm	p
CARRIER 5:	max.	Power	13.09 nW	(-48.83 dBm)	-24 dBm	p
CARRIER 6:		Power	35.36 nW	(-44.51 dBm)	-30 dBm	p
CARRIER 7:	max.	Power	7.47 nW	(-51.27 dBm)	-30 dBm	p
CARRIER 8:		Power	7.29 nW		-30 dBm	p
CARRIER 9:		Power		( -50.33 dBm)		q p
CHRILLIE J.	1110211	IOWCI	J.27 IIII	( 30.33 abiii)	30 abiii	
TRAFFIC SLOT:		14				
TRAFFIC CARRIE	R:	3				İ
PACKET TYPE:		P32+Z				
			measured v	alues	limits	
CARRIER 0:	max.	Power	14.37 nW	(-48.43  dBm)	-24 dBm	þр
CARRIER 1:	max.	Power	28.32 nW	(-45.48 dBm)	-14 dBm	p
CARRIER 2:		Power		(-15.29 dBm)	-6 dBm	p
CARRIER 3:		Power	60.13 mW	( 17.79 dBm)		p
CARRIER 4:		Power	36.33 uW	(-14.40  dBm)	-6 dBm	p
CARRIER 5:		Power	26.24 nW	( -45.81 dBm)	-14 dBm	p
CARRIER 6:		Power	16.93 nW		-24 dBm	p
CARRIER 7:		Power	33.16 nW		-30 dBm	
CARRIER 8:		Power		( -50.86 dBm)	-30 dBm	p
				( -49.75 dBm)	-30 dBm	p
CARRIER 9:	ıııdx.	Power	10.60 nW	( -49./5 QBIII)	-30 (1811)	P
TRAFFIC SLOT:	_	16				
TRAFFIC CARRIE	R:	4				
PACKET TYPE:		P32+Z				
			measured v	alues	limits	

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BABT

TRAFFIC SLOT:

20

TRAFFIC SLOT: TRAFFIC CARRIER: 5 PACKET TYPE: P32+Z    Max.   Power   CARRIER 1: max.   Power   10.79 nW (-49.67 dBm)   -30 dBm   CARRIER 2: max.   Power   10.79 nW (-49.67 dBm)   -24 dBm   CARRIER 3: max.   Power   29.26 uW (-15.34 dBm)   -6 dBm   CARRIER 6: max.   Power   28.42 uW (-15.46 dBm)   -6 dBm   CARRIER 7: max.   Power   28.42 uW (-15.46 dBm)   -6 dBm   CARRIER 8: max.   Power   35.36 nW (-44.51 dBm)   -24 dBm   CARRIER 9: max.   Power   35.36 nW (-44.51 dBm)   -30 dBm   CARRIER 1: max.   Power   35.36 nW (-51.37 dBm)   -30 dBm   CARRIER 1: max.   Power   27.29 nW (-51.37 dBm)   -30 dBm   CARRIER 1: max.   Power   26.24 nW (-44.51 dBm)   -30 dBm   CARRIER 1: max.   Power   26.27 nW (-44.51 dBm)   -30 dBm   CARRIER 1: max.   Power   35.57 nW (-44.49 dBm)   -30 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   -30 dBm   CARRIER 1: max.   Power   15.15 nW (-48.20 dBm)   -24 dBm   -30 dBm   -40 dBm	P	-30 dBm -24 dBm -14 dBm -6 dBm6 dBm -14 dBm -14 dBm -24 dBm -30 dBm -30 dBm	( -44.44 dBm) ( -49.75 dBm) ( -45.63 dBm) ( -14.98 dBm) ( 17.84 dBm) ( -15.54 dBm) ( -46.27 dBm) ( -48.86 dBm) ( -44.11 dBm) ( -50.84 dBm)	35.99 nW 10.60 nW 27.34 nW 31.76 uW 60.84 mW 27.92 uW 23.62 nW 13.01 nW 38.83 nW 8.25 nW	Power	max. max. max. max. max. max. max.	CARRIER 0: CARRIER 1: CARRIER 2: CARRIER 3: CARRIER 4: CARRIER 5: CARRIER 6: CARRIER 7: CARRIER 8: CARRIER 9:
PACKET TYPE:	1						
CARRIER 0: max. Power 8.10 nW (-50.91 dBm) -30 dBm CARRIER 1: max. Power 32.77 nW (-44.84 dBm) -30 dBm CARRIER 2: max. Power 10.79 nW (-49.67 dBm) -24 dBm CARRIER 3: max. Power 26.40 nW (-45.78 dBm) -14 dBm CARRIER 5: max. Power 29.26 uW (-15.34 dBm) -6 dBm CARRIER 5: max. Power 28.42 uW (-15.46 dBm) -6 dBm CARRIER 6: max. Power 28.42 uW (-15.46 dBm) -6 dBm CARRIER 7: max. Power 28.42 uW (-44.81 dBm) -24 dBm CARRIER 8: max. Power 13.16 nW (-44.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm CARRIER 1: max. Power 7.29 nW (-51.17 dBm) -30 dBm CARRIER 2: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 15.15 nW (-46.20 dBm) -24 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -14 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 7: max. Power 31.02 uW (-15.08 dBm) -14 dBm CARRIER 8: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 8: max. Power 31.02 uW (-15.08 dBm) -24 dBm CARRIER 8: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 9: max. Power 31.02 uW (-50.61 dBm) -30 dBm CARRIER 8: max. Power 31.02 uW (-50.61 dBm) -24 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 9: max. Power 40.93 nW (-51.02 dBm) -24 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 1: max. Power 40.93 nW (-51.02 dBm) -6 dBm CARRIER 6: max. Power 40.93 nW (-51.02 dBm) -6 dBm CARRIER 6: max. Power 40.93						IER:	
CARRIER 0: max. Power		limita	ra luog	mongurod	P32+Z		PACKET TYPE:
CARRIER 1: max. Power	l n				Dower	mav	CADDIED O.
CARRIER 2: max. Power 26.40 nW (-49.67 dBm) -24 dBm CARRIER 3: max. Power 26.40 nW (-45.78 dBm) -14 dBm CARRIER 4: max. Power 26.40 nW (-15.34 dBm) -6 dBm CARRIER 5: max. Power 61.92 mW (17.92 dBm) CARRIER 6: max. Power 28.42 uW (-15.46 dBm) -6 dBm CARRIER 7: max. Power 26.24 nW (-45.81 dBm) -6 dBm CARRIER 8: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm CARRIER 1: max. Power 7.64 nW (-51.17 dBm) -30 dBm CARRIER 1: max. Power 35.57 nW (-44.94 dBm) -30 dBm CARRIER 3: max. Power 35.57 nW (-44.94 dBm) -30 dBm CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -24 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 9: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 7: max. Power 28.48 nW (-45.45 dBm) -6 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm -30 dBm CARRIER 9: max. Power 10.30 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm	p p						
CARRIER 3: max. Power 26.40 nW (-45.78 dBm) -14 dBm CARRIER 4: max. Power 29.26 uW (-15.34 dBm) -6 dBm CARRIER 5: max. Power 61.92 mW (17.92 dBm) CARRIER 6: max. Power 28.42 uW (-15.46 dBm) -6 dBm CARRIER 7: max. Power 26.24 nW (-45.81 dBm) -14 dBm CARRIER 8: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm CARRIER 1: max. Power 7.64 nW (-51.17 dBm) -30 dBm CARRIER 1: max. Power 7.64 nW (-51.37 dBm) -30 dBm CARRIER 1: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 26.71 nW (-45.73 dBm) -24 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -24 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 9: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 9: max. Power 20.48 nW (-51.02 dBm) -6 dBm CARRIER 1: max. Power 20.48 nW (-51.60 dBm) -6 dBm CARRIER 1: max. Power 20.48 nW (-51.60 dBm) -6 dBm CARRIER 3: max. Power 20.48 nW (-51.60 dBm) -6 dBm CARRIER 3: max. Power 20.48 nW (-51.60 dBm) -6 dBm CARRIER 3: max. Power 20.48 nW (-51.06 dBm) -30 dBm CARRIER 3: max. Power 20.49 nW (-51.02 dBm) -30 dBm CARRIER 3: max. Power 20.49 nW (-51.02 dBm) -30 dBm CARRIER 3: max. Power 30.48 nW (-51.02 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-51.02 dBm) -30 dBm CARRIER 3: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.90 nW (-45.22 dBm) -6 dBm CARRIER 6: max. Power 30.90 nW (-45.22 dBm) -14 dBm -6 dBm CARRIER 8: max. Power 30.90 nW (-45.22 dBm) -6 dBm CARRIER 9: max. Power 30.90 nW (-45	p						
CARRIER 5: max. Power 61.92 mW ( 17.92 dBm) CARRIER 6: max. Power 28.42 uW ( -15.46 dBm) -6 dBm CARRIER 7: max. Power 26.24 nW ( -45.81 dBm) -14 dBm CARRIER 8: max. Power 13.16 nW ( -48.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW ( -44.51 dBm) -30 dBm  TRAFFIC SLOT: 20 TRAFFIC CARRIER: 6 PACKET TYPE: P32+Z     measured values   limits	p		,				
CARRIER 6: max. Power 28.42 uW (-15.46 dBm) -6 dBm CARRIER 7: max. Power 26.24 nW (-45.81 dBm) -14 dBm CARRIER 8: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm TRAFFIC SLOT: 20  TRAFFIC SLOT: 20  TRAFFIC SLOT: P32+Z  CARRIER 0: max. Power 7.64 nW (-51.17 dBm) -30 dBm CARRIER 1: max. Power 7.64 nW (-51.37 dBm) -30 dBm CARRIER 1: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 15.15 nW (-48.20 dBm) -24 dBm CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 9: max. Power 30.48 uW (-55.10 dBm) -6 dBm CARRIER 1: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 1: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 1: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 1: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 3: max. Power 10.30 nW (-49.87 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-55.10 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 5: max. Power 40.93 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 40.93 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-44.81 dBm) -24 dBm CARRIER 6: max. Power 40.93 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 7: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 8: max. Power 30.73 nW (-45.22 dBm) -6 dBm CARRIER 9: max. Power 30.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.9	p	-6 dBm	(-15.34  dBm)	29.26 uW	Power	max.	CARRIER 4:
CARRIER 7: max. Power 26.24 nW (-45.81 dBm) -14 dBm CARRIER 8: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm TRAFFIC SLOT: 20 TRAFFIC CARRIER: 6 PACKET TYPE: P32+Z    measured values   limits	p		( 17.92 dBm)	61.92 mW	Power	max.	CARRIER 5:
CARRIER 8: max. Power 35.36 nW (-48.81 dBm) -24 dBm CARRIER 9: max. Power 35.36 nW (-44.51 dBm) -30 dBm  TRAFFIC SLOT: 20 TRAFFIC CARRIER: 6 PACKET TYPE: P32+Z  CARRIER 0: max. Power 7.64 nW (-51.17 dBm) -30 dBm CARRIER 1: max. Power 7.29 nW (-51.37 dBm) -30 dBm CARRIER 2: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 15.15 nW (-44.49 dBm) -30 dBm CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm CARRIER 6: max. Power 61.92 mW (17.92 dBm) -24 dBm CARRIER 7: max. Power 30.48 uW (-15.08 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm  TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z  CARRIER 0: max. Power 6.64 nW (-51.78 dBm) -24 dBm CARRIER 1: max. Power 7.92 nW (-51.02 dBm) -30 dBm CARRIER 3: max. Power 8.69 nW (-50.61 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 40.93 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 7: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 7: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 7: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (17.92 dBm) -6 dBm CARRIER 7: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 7: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90	p	-6 dBm	,		Power	max.	CARRIER 6:
TRAFFIC SLOT: 20 TRAFFIC CARRIER: 6 PACKET TYPE: P32+Z  CARRIER 0: max. Power 7.64 nW (-51.17 dBm) -30 dBm  CARRIER 1: max. Power 7.29 nW (-51.37 dBm) -30 dBm  CARRIER 2: max. Power 35.57 nW (-44.49 dBm) -30 dBm  CARRIER 3: max. Power 15.15 nW (-48.20 dBm) -24 dBm  CARRIER 4: max. Power 31.02 uW (-15.08 dBm) -6 dBm  CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm  CARRIER 7: max. Power 61.92 mW (17.92 dBm) -6 dBm  CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm  CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm  TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z     measured values   limits	p						
TRAFFIC SLOT: 20 TRAFFIC CARRIER: 6 PACKET TYPE: P32+Z    measured values   limits	p						
TRAFFIC CARRIER: 6 PACKET TYPE: P32+Z    measured values   limits	P	-30 dBm	( -44.51 dBm)	35.36 nW	Power	max.	CARRIER 9:
PACKET TYPE: P32+Z    measured values   limits					20		TRAFFIC SLOT:
CARRIER 0: max. Power 7.64 nW (-51.17 dBm) -30 dBm CARRIER 1: max. Power 7.29 nW (-51.37 dBm) -30 dBm CARRIER 2: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 15.15 nW (-48.20 dBm) -24 dBm CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm CARRIER 5: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 1: max. Power 6.64 nW (-51.78 dBm) -30 dBm CARRIER 1: max. Power 8.69 nW (-50.61 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 4: max. Power 40.93 nW (-48.81 dBm) -24 dBm CARRIER 5: max. Power 30.73 nW (-48.81 dBm) -24 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-41.88 dBm) -30 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -6 dBm CARRIER 6: max. Power 30.73 nW (-41.32 dBm) -6 dBm CARRIER 7: max. Power 36.97 uW (-15.33 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (-14.32 dBm) -6 dBm CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 30.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm					6		
CARRIER 0: max. Power 7.64 nW (-51.17 dBm) -30 dBm CARRIER 1: max. Power 7.29 nW (-51.37 dBm) -30 dBm CARRIER 2: max. Power 35.57 nW (-44.49 dBm) -30 dBm CARRIER 3: max. Power 15.15 nW (-48.20 dBm) -24 dBm CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm CARRIER 5: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 6: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 9: max. Power 10.30 nW (-51.78 dBm) -30 dBm CARRIER 1: max. Power 7.92 nW (-51.02 dBm) -30 dBm CARRIER 2: max. Power 8.69 nW (-50.61 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-48.81 dBm) -30 dBm CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -10 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -10 dBm CARRIER 6: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm CARRIER 7: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm					P32+Z		PACKET TYPE:
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CARRIER 2: max. Power 35.57 nW (-44.49 dBm) -30 dBm   CARRIER 3: max. Power 15.15 nW (-48.20 dBm) -24 dBm   CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm   CARRIER 5: max. Power 31.02 uW (-15.08 dBm) -6 dBm   CARRIER 6: max. Power 61.92 mW (17.92 dBm)   CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm   CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm   CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm    TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z    measured values   limits     carrier 1: max. Power 6.64 nW (-51.78 dBm) -30 dBm     carrier 2: max. Power 7.92 nW (-51.02 dBm) -30 dBm     carrier 3: max. Power 8.69 nW (-50.61 dBm) -30 dBm     carrier 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm     carrier 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm     carrier 5: max. Power 28.92 uW (-15.39 dBm) -6 dBm     carrier 7: max. Power 30.73 nW (-45.12 dBm) -14 dBm     carrier 7: max. Power 36.97 uW (-15.39 dBm) -6 dBm     carrier 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm     carrier 9: max. Power 23.90	p		,				
CARRIER 3: max. Power 15.15 nW (-48.20 dBm) -24 dBm   CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm   CARRIER 5: max. Power 31.02 uW (-15.08 dBm) -6 dBm   CARRIER 6: max. Power 61.92 mW (17.92 dBm)   CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm   CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm   CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm    TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z  measured values limits  CARRIER 0: max. Power 6.64 nW (-51.78 dBm) -30 dBm   CARRIER 1: max. Power 7.92 nW (-51.02 dBm) -30 dBm   CARRIER 2: max. Power 8.69 nW (-50.61 dBm) -30 dBm   CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm   CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm   CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm   CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm   CARRIER 7: max. Power 61.92 mW (17.92 dBm) -6 dBm   CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm   CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm   CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm   CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm   CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm   CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm   CARRIER 9: max. Power 36.97 uW (-46.22 dBm) -14 dBm   TRAFFIC SLOT: 14	p						
CARRIER 4: max. Power 26.71 nW (-45.73 dBm) -14 dBm CARRIER 5: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 6: max. Power 61.92 mW (17.92 dBm) CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm CARRIER 1: max. Power 6.64 nW (-51.78 dBm) -30 dBm CARRIER 1: max. Power 7.92 nW (-51.02 dBm) -30 dBm CARRIER 2: max. Power 8.69 nW (-50.61 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (17.92 dBm) -6 dBm CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 36.97 uW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm	p p						
CARRIER 5: max. Power 31.02 uW (-15.08 dBm) -6 dBm CARRIER 6: max. Power 61.92 mW (17.92 dBm)  CARRIER 7: max. Power 30.48 uW (-15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm  TRAFFIC SLOT: 22  TRAFFIC CARRIER: 7  PACKET TYPE: P32+Z    measured values   limits	p						
CARRIER 6: max. Power 61.92 mW ( 17.92 dBm) CARRIER 7: max. Power 30.48 uW ( -15.16 dBm) -6 dBm CARRIER 8: max. Power 28.48 nW ( -45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW ( -49.87 dBm) -24 dBm  TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z    measured values   limits	p						
CARRIER 8: max. Power 28.48 nW (-45.45 dBm) -14 dBm CARRIER 9: max. Power 10.30 nW (-49.87 dBm) -24 dBm  TRAFFIC SLOT: 22  TRAFFIC CARRIER: 7  PACKET TYPE: P32+Z  measured values limits  CARRIER 0: max. Power 6.64 nW (-51.78 dBm) -30 dBm CARRIER 1: max. Power 7.92 nW (-51.02 dBm) -30 dBm CARRIER 2: max. Power 8.69 nW (-50.61 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (17.92 dBm) -6 dBm CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm	p			61.92 mW	Power	max.	CARRIER 6:
TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z    measured values   limits	p	-6 dBm	(-15.16  dBm)	30.48 uW	Power	max.	
TRAFFIC SLOT: 22 TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z    measured values   limits	p	-14 dBm			Power	max.	CARRIER 8:
TRAFFIC CARRIER: 7 PACKET TYPE: P32+Z    measured values   limits	р	-24 dBm	(-49.87 dBm)	10.30 nW	Power	max.	CARRIER 9:
PACKET TYPE: P32+Z    measured values   limits					22		TRAFFIC SLOT:
measured values         limits           CARRIER 0:         max. Power         6.64 nW (-51.78 dBm)         -30 dBm           CARRIER 1:         max. Power         7.92 nW (-51.02 dBm)         -30 dBm           CARRIER 2:         max. Power         8.69 nW (-50.61 dBm)         -30 dBm           CARRIER 3:         max. Power         40.93 nW (-43.88 dBm)         -30 dBm           CARRIER 4:         max. Power         13.16 nW (-48.81 dBm)         -24 dBm           CARRIER 5:         max. Power         30.73 nW (-45.12 dBm)         -14 dBm           CARRIER 6:         max. Power         28.92 uW (-15.39 dBm)         -6 dBm           CARRIER 7:         max. Power         61.92 mW (17.92 dBm)            CARRIER 8:         max. Power         36.97 uW (-14.32 dBm)         -6 dBm           CARRIER 9:         max. Power         23.90 nW (-46.22 dBm)         -14 dBm					7		
CARRIER 0: max. Power 6.64 nW (-51.78 dBm) -30 dBm CARRIER 1: max. Power 7.92 nW (-51.02 dBm) -30 dBm CARRIER 2: max. Power 8.69 nW (-50.61 dBm) -30 dBm CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (17.92 dBm) CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm			-	-	P32+Z		PACKET TYPE:
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CARRIER 3: max. Power 40.93 nW (-43.88 dBm) -30 dBm  CARRIER 4: max. Power 13.16 nW (-48.81 dBm) -24 dBm  CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm  CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm  CARRIER 7: max. Power 61.92 mW (17.92 dBm)  CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm  CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm  TRAFFIC SLOT: 14	P						
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CARRIER 5: max. Power 30.73 nW (-45.12 dBm) -14 dBm CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (17.92 dBm) CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm  TRAFFIC SLOT: 14	p						
CARRIER 6: max. Power 28.92 uW (-15.39 dBm) -6 dBm CARRIER 7: max. Power 61.92 mW (17.92 dBm) CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm  TRAFFIC SLOT: 14	p		,				
CARRIER 8: max. Power 36.97 uW (-14.32 dBm) -6 dBm CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm  TRAFFIC SLOT: 14	p						CARRIER 6:
CARRIER 9: max. Power 23.90 nW (-46.22 dBm) -14 dBm  TRAFFIC SLOT: 14	p		( 17.92 dBm)	61.92 mW	Power	max.	CARRIER 7:
TRAFFIC SLOT: 14	р	-6 dBm	(-14.32  dBm)	36.97 uW	Power	max.	CARRIER 8:
	p	-14 dBm	(-46.22  dBm)	23.90 nW	Power	max.	CARRIER 9:
TRAFFIC CARRIER: 8 PACKET TYPE: P32+Z					8	IER:	TRAFFIC CARRIE
measured values limits		limits	values	measured v			

BABT

CARRIER 0:	max.	Power	19.82 nW	(-47.03  dBm)	-30 dBm	р
CARRIER 1:	max.	Power	6.92 nW	(-51.60  dBm)	-30 dBm	р
CARRIER 2:	max.	Power	9.27 nW	(-50.33  dBm)	-30 dBm	р
CARRIER 3:	max.	Power	7.21 nW	(-51.42  dBm)	-30 dBm	р
CARRIER 4:	max.	Power	40.22 nW	(-43.96  dBm)	-30 dBm	р
CARRIER 5:	max.	Power	10.36 nW	(-49.85  dBm)	-24 dBm	р
CARRIER 6:	max.	Power	21.64 nW	(-46.65  dBm)	-14 dBm	р
CARRIER 7:	max.	Power	29.09 uW	(-15.36  dBm)	-6 dBm	р
CARRIER 8:	max.	Power	61.20 mW	( 17.87 dBm)		р
CARRIER 9:	max.	Power	32.89 uW	(-14.83  dBm)	-6 dBm	р
TRAFFIC SLOT:		16				1
TRAFFIC CARRIE	R:	9				
PACKET TYPE:		P32+Z				
			measured v	alues	limits	
CARRIER 0:	max.	Power	6.60 nW	(-51.80  dBm)	-30 dBm	p
CARRIER 1:	max.	Power	20.65 nW	(-46.85  dBm)	-30 dBm	p
CARRIER 2:	max.	Power	7.87 nW	(-51.04  dBm)	-30 dBm	p
CARRIER 3:	max.	Power	7.47 nW	(-51.27  dBm)	-30 dBm	p
CARRIER 4:	max.	Power	7.55 nW	(-51.22  dBm)	-30 dBm	p
CARRIER 5:	max.	Power	39.75 nW	(-44.01  dBm)	-30 dBm	p
CADDIED C.						
CARRIER 6:	max.	Power	10.24 nW	(-49.90  dBm)	-24 dBm	p
CARRIER 6: CARRIER 7:		Power Power	10.24 nW 28.32 nW	,		p p
	max.			,	-14 dBm	-

### 2.3.11 TC 11 Emissions due to intermodulation (4.5.6.4)

only for basestations with several transmitters

### 2.3.12 TC 12 Spurious emissions when allocated a transmit channel (4.5.6.5)

Channel 5, radiated

values <6 dB of the limit-line are listed

30 MHz – 1 GHz	aimed ≤ -36 dBm	actual ≤ -52.85 dBm
1 GHz – 4 GHz	aimed ≤ -30 dBm	actual ≤ -45.72 dBm
Peak at 3.777 GHz hor.	aimed ≤ -30 dBm	actual ≤ -36.69 dBm
broadcast bands according to TBR 6	aimed ≤ -47 dBm	actual ≤ -71.05 dBm

 $\begin{tabular}{ll} Measurement uncertainty $f$<$1GHz: $+2.89 dB / -2.98 dB \\ f>$1GHz: $+3.53 dB / -3.53 dB \end{tabular}$ 

Channel 5, conducted

TRAFFIC SLOT: 2
TRAFFIC CARRIER: 5
PACKET TYPE: P32+Z
Wideband Measurements

Range from 300kHz to 12750.00 MHz Measurement uncertainty f>1GHz:  $+1.40\,dB/-1.75\,dB$ 



Ρ

2.3.13	TC 13 Radio receiver sensitivity (4.5.7.1)		1
	At a level of $-83$ dBm the BER shall be $\leq 10^{\circ}$	-3 .	
	Measurement uncertainty: + 0.25 dB / -0.27 d	IB	
	TRAFFIC SLOT: 14		
	TRAFFIC CARRIER: 0		
	PACKET TYPE: P32+Z		
	Center frequency offset: 0 kHz	1 4 1 2201114	
	BER: 0.00000000 FER: 0.000000 Center frequency offset: 50 kHz	evaluated: 320 kbit	P
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	Center frequency offset: -50 kHz	evaluated. 320 kbit	1
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	TRAFFIC SLOT: 16		
	TRAFFIC CARRIER: 5		
	PACKET TYPE: P32+Z		
	Center frequency offset: 0 kHz BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	Center frequency offset: 50 kHz	evaluated. 320 kbit	1
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	Center frequency offset: -50 kHz		
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	TD A EEIC CLOT. 10		
	TRAFFIC SLOT: 18 TRAFFIC CARRIER: 9		
	PACKET TYPE: P32+Z		
	Center frequency offset: 0 kHz		
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	Center frequency offset: 50 kHz		
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
	Center frequency offset: -50 kHz	1 . 1 . 220.111	
	BER: 0.00000000 FER: 0.000000	evaluated: 320 kbit	P
2.3.14	TC 14 Radio receiver reference bit error ra	ntio (4.5.7.2)	
	At a level of $-73$ dBm the BER shall be $\leq 10^{\circ}$	$^{-5}$ the FER shall be $< 5*10^{-4}$	
	Measurement uncertainty: + 0.25 dB / -0.27 d		
	TRAFFIC SLOT: 20		
	TRAFFIC CARRIER: 0		
	PACKET TYPE: P32+Z		
	BER: 0.00000000 FER: 0.000000	evaluated: 32.000 Mbit	P
	TRAFFIC SLOT: 22		
	TRAFFIC CARRIER: 5		
	PACKET TYPE: P32+Z		

evaluated: 32.000 Mbit

FER: 0.000000

BER: 0.00000000

TRAFFIC SLOT: 14
TRAFFIC CARRIER: 9
PACKET TYPE: P32+Z

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BER: 0.00000000 FER: 0.000000 evaluated: 32.000 Mbit P



2215	TO 15 D	c	•	/ <b>4</b> =
2.3.15	TC 15 Receiver inter		e perio	rmance (4.5
	The BER shall be $\leq 1$		0.22 "	0 / 0 24 15
	Measurement uncerta	unty: +	0.32 dl	3 / -0.34 dB
	TRAFFIC SLOT:		16	
	TRAFFIC CARRIER	₹:	0	
	PACKET TYPE:		P32+Z	
	BER: FER: kH	Bit: i	ntf.car:	lev in dBm:
	0.000000 0.000000	320	-3	-33.0
	0.000000 0.000000	320	-2	-39.0
	0.000000 0.000000	320	-1	-60.0
	0.000105 0.000000	523	0	-84.0
	$0.000000 \ 0.000000$	320	1	-60.0
	$0.000000 \ 0.000000$	320	2	-39.0
	0.000000 0.000000	320	3	-33.0
	$0.000000 \ 0.000000$	320	4	-33.0
	$0.000000 \ 0.000000$	320	5	-33.0
	$0.000000 \ 0.000000$	320	6	-33.0
	0.000000 0.000000	320	7	-33.0
	0.000000 0.000000	320	8	-33.0
	$0.000000 \ 0.000000$	320	9	-33.0
	$0.000000 \ 0.000000$	320	10	-33.0
	$0.000000 \ 0.000000$	320	11	-33.0
	0.000000 0.000000	320	12	-33.0
	TRAFFIC SLOT:		18	
	TRAFFIC CARRIER		5	
	PACKET TYPE:		P32+Z	
				lev in dBm:
	0.000000 0.000000	320	-3	-33.0
	0.000000 0.000000	320	-2	-33.0
	0.000000 0.000000	320	-1	-33.0
	0.000000 0.000000	320	0	-33.0
	0.000000 0.000000	320	1	-33.0
	0.000000 0.000000	320	2	-33.0
	0.000000 0.000000	320	3	-39.0
	0.000000 0.000000	320	4	-60.0
	0.000063 0.000000	477	5	-84.0
	0.000000 0.000000	320	6	-60.0
	0.000000 0.000000	320	7	-39.0
	0.000000 0.000000	320	8	-33.0
	0.000000 0.000000	320	9	-33.0
	0.000000 0.000000	320	10	-33.0
	0.000000 0.000000	320	11	-33.0
	0.000000 0.000000	320	12	-33.0
	0.000000 0.000000 0.000000 0.000000	320 320	10 11	-33.0 -33.0



	TRAFFIC SLOT:	1	6			
	TRAFFIC CARRIER	₹: 9	)			
	PACKET TYPE:	F	232+Z			
	BER: FER: kI	Bit: int	tf.car: 1	ev in dBm:		
	0.000000 0.000000	320	-3	-33.0		
	0.000000 0.000000	320	-2	-33.0		
	0.000000 0.000000	320	-1	-33.0		
	0.000000 0.000000	320	0	-33.0		
	$0.000000 \ 0.000000$	320	1	-33.0		
	$0.000000 \ 0.000000$	320	2	-33.0		
	$0.000000 \ 0.000000$	320	3	-33.0		
	$0.000000 \ 0.000000$	320	4	-33.0		
	$0.000000 \ 0.000000$	320	5	-33.0		
	$0.000000 \ 0.000000$	320	6	-33.0		
	$0.000000 \ 0.000000$	320	7	-39.0		
	0.000000 0.000000	320	8	-60.0		
	0.000042 0.000000	400	9	-84.0		
	0.000000 0.000000	320	10	-60.0		
	0.000000 0.000000	320	11	-39.0		
	0.000000 0.000000	320	12	-33.0		
2.3.16	TC 16 Radio receiver	blockin	g, case	1 (4.5.7.4)		
	The BER shall be $\leq 1$		<i>6</i> /	,		
			0.01.110	/ 0.06 ID		
	Measurement uncerta Measurement uncerta					
	TRAFFIC SLOT:	1	8			
	TRAFFIC CARRIER	R: 5	i			
	PACKET TYPE:	F	232+Z			
	transmitter level: -80	.00 dBm	l			
	additional CW interfe	erer leve	1: 0.00	dB		
	start frequenc		25.	.00 MHz		
	stop frequenc	у:	100.	.00 MHz		
	step frequenc	у:	1.	.00 MHz		
	320 kBit to evaluate					
	TRAFFIC SLOT:		0			
	TRAFFIC CARRIER					
	PACKET TYPE:		232+Z			
	transmitter level: -80					
	additional CW interfe					
	start frequenc	-		.00 MHz		
	stop frequenc			.00 MHz		
	step frequenc	у:	Ι.	.00 MHz		
	320 kBit to evaluate					
	TRAFFIC SLOT:	1	4			
	TRAFFIC CARRIER	R: 5				
	PACKET TYPE:	F	232+Z			
	transmitter level: -80	.00 dBm	1			
	additional CW interfe	erer leve	1: 0.00	dB		
	start frequenc	y:	2901.	00 MHz		
	stop frequenc		2750.	.00 MHz		
	step frequenc	у:	1.	.00 MHz		
	320 kBit to evaluate					

320 kBit to evaluate

### 2.3.17 TC 17 Radio receiver blocking, case 2 (4.5.7.5)

The BER shall be  $\leq 10^{-3}$ .

Measurement uncertainty: + 0.63 dB / -0.71 dB

TRAFFIC SLOT: 22 TRAFFIC CARRIER: 0 PACKET TYPE: P32+Z

BER: 0.00000000 FER: 0.000000 evaluated: 320 kbit

TRAFFIC SLOT: 14
TRAFFIC CARRIER: 5
PACKET TYPE: P32+Z

BER: 0.00000000 FER: 0.000000 evaluated: 320 kbit

TRAFFIC SLOT: 16
TRAFFIC CARRIER: 9
PACKET TYPE: P32+Z

BER: 0.00000000 FER: 0.000000 evaluated: 320 kbit

### 2.3.18 TC 18 Receiver intermodulation performance (4.5.7.6)

The BER shall be  $\leq 10^{-3}$ .

Measurement uncertainty: + 0.40 dB / -0.43 dB

TRAFFIC SLOT: 18
TRAFFIC CARRIER: 0
PACKET TYPE: P32+Z

M: 0 A: 2 B: 4

BER: 0.002311 FER: 0.0000 eval.data: 1594 kbit

M: 0 A: -2 B: -4

BER: 0.000030 FER: 0.0000 eval.data: 369 kbit

TRAFFIC SLOT: 20
TRAFFIC CARRIER: 5
PACKET TYPE: P32+Z
M: 5 A: 7 B: 9

BER: 0.000052 FER: 0.0000 eval.data: 424 kbit

M: 5 A: 3 B: 1

BER: 0.000003 FER: 0.0000 eval.data: 326 kbit

TRAFFIC SLOT: 22 TRAFFIC CARRIER: 9 PACKET TYPE: P32+Z

M: 9 A: 11 B: 13

BER: 0.000000 FER: 0.0000 eval.data: 320 kbit

M: 9 A: 7 B: 5

BER: 0.000027 FER: 0.0000 eval.data: 376 kbit



P

P

P

P

P

P

P

P

### 2.3.19 TC 19 Spurious emissions when the radio endpoint has no allocated transmit ch. (4.5.7.7)

The EUT shall conformance

Outside the DECT band:

The emission as measured shall not be greater than 2nW (-57dbm) between 30MHz and 1GHz; and between 1GHz and 12.75GHz the emission as measured shall not exceed 20nW(-47dBm).

### Inside the DECT band:

The power level as measured of  $\,$  any spurious emission shall not exceed 2nW(-57dBm) in a 1MHz Bandwidth.

In one 1MHz band within the DECT frequency band, the maximum allowable ERP shall be less than 20nW(-47dBm)

In up to two bands of 30KHz, the maximum ERP shall less than 250nw(-36dBm)

### Radiated spurious emission

RF ranges	Maximun peak power level	Result/max.value
30MHz1.0GHz	2nW(-57dBm)	-70.65 dBm
1GHz4GHz	20nW(-47dBm)	-54.23 dBm
Inside the DECT band	2nW(-57dBm)	-63.01 dBm

Measurement uncertainty radiated: + 3.53 dB / -3.53 dB

### Conducted spurious emission

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RF ranges	Maximun peak power level	Result/max.value
30MHz1.0GHz	2nW(-57dBm)	-70.95 dBm
1GHz12.75GHz	20nW(-47dBm)	-55.11 dBm
Inside the DECT band	2nW(-57dBm)	-64.18 dBm

Measurement uncertainty conducted:+ 0.85 dB / -0.92 dB

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## $2.3.20 \qquad TC~20~Synchronisation~port~(4.5.8) \\$

No test

### 2.3.21 TC 21 Equipment identity verification (4.5.9)

Statement of the applicant"

### 2.3.22 TC 22 Efficient use of radio spectrum (4.5.10)

Statement of the applicant"

### 2.3.23 TC23 WRS (4.5.11)

No test

### 2.3.24 TC24 PP to PP communication (4.5.12)

No test

### 2.3.25 TC25 Direct communication (4.5.13)

No test

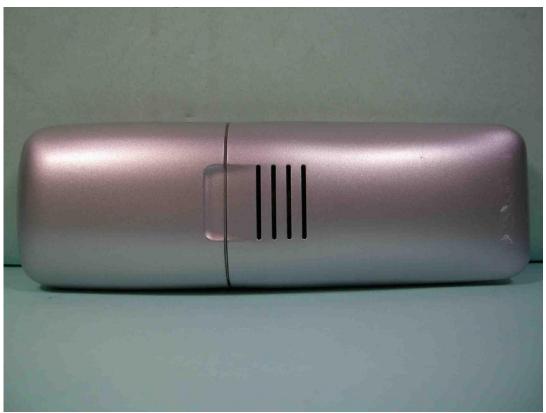
### 2.3.26 TC26 Higher level modulation (4.5.14)

No test



# **4 Appendix** Photo of the Test Candidate (exterior)



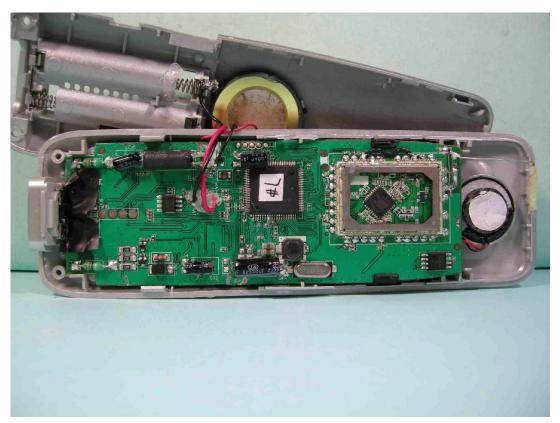


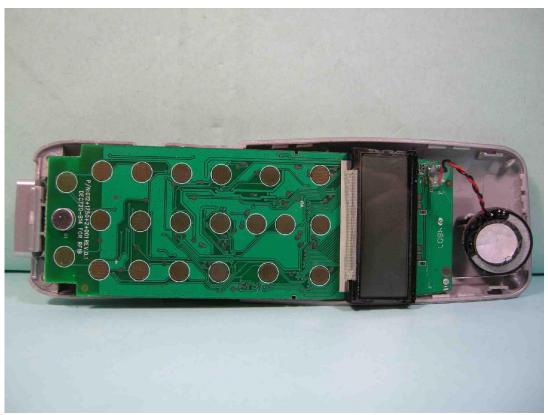
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# Photo of the Test Candidate (interior)

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# **MANUFACTURER DECLARATION**

# **SunCorp Communications Limited**

Room 1907-08, 19/F, Harcourt House, 39 Gloucester Road, Wanchai, Hong Kong

(Name / Address)

declares for the Digital Enhanced Cordless Telecommunications (DECT) telephone system specified as

DECT20-B14-RF19	DEC	TOO D	14 0	T10
	1 ) H ( )	17()-P	14-K	F I Y

The Portable Part (PP):

It is not possible for the user to alter the IPEI using any normally accessible procedure. We supply, in addition to the equipment, sufficient means in the equipment with instructions in the documentation to permit validation of the Equipment Manufacturer's Code and verification of the existence of the Portable equipment Serial Number (PSN) code in the equipment.

The Fixed Part (FP):

DECT FPs which do not transmit the TA escape message transmits the NT message as defined in EN 300 175-3 [3] at least once every 10 seconds on all active physical channels; These NT identity messages are transmitted with the appropriate A-field header code as defined in EN 300 175-3[3] and the NT message contains an ETSI distributed code as defined in EN 300 175-6[6].

(Date) 2008-3-13

(Printed full Name) CW Cheung

For and on behalf of Sun Corp Communications Limited 新 確 通 訊 有 展 公司

(Authorized Signature & Company Chop)



# MANUFACTURER DECLARATION

# **SunCorp Communications Limited**

Room 1907-08, 19/F, Harcourt House, 39 Gloucester Road, Wanchai, Hong Kong

(Name / Address)

declare for the Digital Enhanced Cordless Telecommunications (DECT) telephone system specified as

### DECT20-B14-RF19

(Model Number)

For the	portable	radio	termination	(PT	):
---------	----------	-------	-------------	-----	----

The first PT transmission on the newly selected channel is made in accordance with the scan sequence of the addressed RFP.

To continue transmitting on the newly selected physical channel the PT transmissions within 2 frames of the first PT transmission.

### For the fixed radio termination (FT):

The RFP do not transmit on more than 2 physical channels for which complementary physical channels do not exist.

A complementary physical channel is a physical channel between the same two radio endpoints which occurs 5 ms before or after the physical channel to which is complementary.

When an FT is addressing a specific PT then the first FT transmission is made in accordance with the scan sequence of the addressed PT receiver.

To continue transmitting on the selected physical channel the FT receives and indication that the PT is receiving the FT transmissions within 2 frames of the first FT transmission.

### For the channel release:

A REP cease transmission on all physical channels if it has not received a valid indication of the other radio endpoint's identity within 10 seconds of the receipt of the last indication.

A REP which transmits on both the physical channel and complementary physical channel cease to transmit on the channels if either:

The receiving endpoint indicate to the transmitting endpoint that transmission cease on both these physical channels; or The transmitting FT or PT is no longer attempting to receive at least one physical channel

The transmitting F1 or P1 is no longer attempting to receive at least on from the FT or PT to which it is transmitting.

### In General:

No more than two physical channels based on the half slot format are sent within the same frame to the same REP;

The EUT is capable of communicating on all 10 DECT RF channels

2008-3-13 (Date)

(Printed full name)

For and on behalf of Sur Corp. Communications Limited 新 東 京 弘 司

(Authorized signature and company chop)

BABT